

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The material whose resistivity becomes zero below a certain temperature	A. Conductors B. Semi conductors C. Super conductors D. Insulators
2	The unit of conductivity is:	A. $\text{Ohm}^{-3}\text{m}^{-1}$ B. $\text{Ohm m}^{-1}$ C. Both a and b D. $\text{Ohm m}^{-1}$
3	The velocity of electron moving is 1st orbit of hydrogen atom is:	A. $2.09 \times 10^6 \text{ ms}^{-1}$ B. $2.18 \times 10^6 \text{ ms}^{-1}$ C. $2.19 \times 10^6 \text{ ms}^{-1}$ D. $3.18 \times 10^6 \text{ ms}^{-1}$
4	If an object moves with speed of light, its mass will be.	A. Zero B. Maximum C. Minimum D. infinity
5	Which of the following are not hadrons.	A. Muons B. Mesons C. Positrons D. Neutrons
6	The SI unit of magnetic induction 'B' Tesla is equal to.	A. $\text{NA}^{-1}\text{m}^{-1}$ B. $\text{Nm}^{-1}$ C. $\text{NA}^{-1} \text{ m}$ D. $\text{Na}^2\text{m}^{-1}$
7	The reverse saturation current in a PN junction diode is only due to:	A. Majority carriers B. Minority carriers C. Acceptor ions D. Donor ions
8	Light of 4.5 eV is incident on a Cesium surface and stopping potential is 0.25 eV, maximum K.E. of emitted electron is.	A. 4.5 eV B. 4.25 eV C. 4.75 eV D. 0.25 eV
9	A dot represents the direction of magnetic field.	A. Out of page B. Into the page C. Tangent to page D. Parallels to page
10	Weber is the unit of	A. Magnetic flux B. Permeability C. magnetic force D. None of above
11	The typical nuclei are less than:	A. $10^{-16}\text{m}$ B. $10^{-14}\text{m}$ C. $10^{-12}\text{m}$ D. $10^{-10}\text{m}$
12	The ratio of potential barriers of Ge to Si at room temperature is.	A. 7:3 B. 1:3 C. 2:5 D. 3:7
13	A positive charge is moving towards an observer, The direction of magnetic induction will be.	A. Toward right B. Anti clockwise C. Clockwise D. Toward left
14	The quantity/factor $h/m_0c$ has the dimensions of.	A. Length B. Time C. Mass D. Energy

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15	The X-rays diffraction with crystal was first studied by	A. W.H Bragg B. W.L. Bragg C. Michelson D. None of these
16	A force of $0.01 \text{ N}$ is exerted on a charge $1.2 \times 10^{-5} \text{ C}$ at a certain point. The electric field at that point is	A. $1.2 \times 10^4 \text{ N/C}$ B. $1.2 \times 10^4 \text{ C/N}$ C. $8.3 \times 10^2 \text{ N/C}$ D. $8.3 \times 10^{-2} \text{ N/C}$
17	Commutator was invented in	A. 1834 B. 1820 C. 1840 D. 1835
18	A galvanometer is an electrical instrument used to	A. Measure resistance B. Measure voltage C. Detect passage of current D. None of these
19	If electron jumps from second orbit to first orbit in hydrogen atom it emits photon of.	A. $3.40 \text{ eV}$ B. $10.20 \text{ eV}$ C. $13.6 \text{ eV}$ D. $3.8 \text{ eV}$
20	The colour of light emitted by a LED depends on.	A. It forward biased B. Its reverse biased C. Unbiased D. None of these

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